

IN THE CLAIMS:

Please amend claims as follows.

6. (currently amended) A method of producing a steel sheet set out in claim 1 characterized in that when production is carried out by, after hot rolling, conducting one or a plurality of cold rolling and annealing runs,

(1) a coiling temperature after hot rolling is made 600 – 700 °C, and

(2) a [[“]] final cold rolling reduction ratio [[”]] and a [[“]] final annealing temperature[[”]] in a range of 750 – 900 °C are combined in accordance with a recrystallization property of the steel so that the ferrite crystal grain diameter after final annealing becomes 10 – 100 µm.

7. (currently amended) A method of producing a steel sheet set out in claim 1, further comprising:

a production process of, after hot rolling, conducting one or a plurality of cold rolling and annealing runs and conducting [[Z]] Zn -system or Al-system hot-dip plating inline in the cooling step of the final annealing run, or

a production process of, after hot rolling, conducting one or a plurality of cold rolling and annealing runs, conducting [[Z]] Zn -system or Al-system hot-dip plating inline in the cooling step of the final annealing run, and thereafter conducting temper rolling of not greater than 1.5%,

in which method,

(1) a coiling temperature after hot rolling is made 600 – 700 °C, and

(2) a [[“]]final cold rolling reduction ratio[[”]] and a [[“]]final annealing temperature[[”]] in a range of 750 – 900 °C are combined in accordance with a recrystallization property of the steel so that the ferrite crystal grain diameter after plating becomes 10 – 100 µm.

8. (currently amended) A method of producing a steel sheet set out in claim 1, further comprising one production process among:

a production process of, after hot rolling, conducting one or a plurality of cold rolling and annealing runs and then conducting temper rolling at not greater than 1.5%,

a production process of, after hot rolling, conducting one or a plurality of cold rolling and annealing runs and thereafter conducting Zn-system electroplating,

a production process of, after hot rolling, conducting one or a plurality of cold rolling and annealing runs, then conducting temper rolling at not greater than 1.5% and thereafter conducting Zn-system electroplating, and

a production process of, after hot rolling, conducting one or a plurality of cold rolling and annealing runs, thereafter conducting Zn-system electroplating, and further conducting temper rolling at not greater than 1.5%,

in which method,

(1) a coiling temperature after hot rolling is made 600 – 700 °C, and

(2) a ["]final cold rolling reduction ratio["] and a ["]final annealing temperature["] in a range of 750 – 900 °C are combined in accordance with a recrystallization property of the steel so that the ferrite crystal grain diameter after plating becomes 10 – 100 µm.

9. (currently amended) A method of producing a steel sheet set out in claim 2 characterized in that when production is carried out by, after hot rolling, conducting one or a plurality of cold rolling and annealing runs,

(1) a coiling temperature after hot rolling is made 600 – 700 °C, and

(2) a ["]final cold rolling reduction ratio["] and a ["]final annealing temperature["] in a range of 750 – 900 °C are combined in accordance with a recrystallization property of the steel so that the ferrite crystal grain diameter after final annealing becomes 10 – 100 µm.

10. (currently amended) A method of producing a steel sheet set out in claim 2, further comprising:

a production process of, after hot rolling, conducting one or a plurality of cold rolling and annealing runs and conducting $[[Z]] \text{ Zn}$ -system or Al-system hot-dip plating inline in the cooling step of the final annealing run, or

a production process of, after hot rolling, conducting one or a plurality of cold rolling and annealing runs, conducting $[[Z]] \text{ Zn}$ -system or Al-system hot-dip plating inline in the cooling step of the final annealing run, and thereafter conducting temper rolling of not greater than 1.5%,

in which method,

- (1) a coiling temperature after hot rolling is made 600 – 700 °C, and
- (2) a $[[“]]\text{final cold rolling reduction ratio}[[”]]$ and a $[[“]]\text{final annealing temperature}[[”]]$ in a range of 750 – 900 °C are combined in accordance with a recrystallization property of the steel so that the ferrite crystal grain diameter after plating becomes 10 – 100 µm.

11. (currently amended) A method of producing a steel sheet set out in claim 2, further comprising one production process among:

a production process of, after hot rolling, conducting one or a plurality of cold rolling and annealing runs and then conducting temper rolling at not greater than 1.5%,

a production process of, after hot rolling, conducting one or a plurality of cold rolling and annealing runs and thereafter conducting Zn-system electroplating,

a production process of, after hot rolling, conducting one or a plurality of cold rolling and annealing runs, then conducting temper rolling at not greater than 1.5% and thereafter conducting Zn-system electroplating, and

a production process of, after hot rolling, conducting one or a plurality of cold rolling and annealing runs, thereafter conducting Zn-system electroplating, and further conducting temper rolling at not greater than 1.5%,

in which method,

- (1) a coiling temperature after hot rolling is made 600 – 700 °C, and

(2) a ["]final cold rolling reduction ratio["] and a ["]final annealing temperature["] in a range of 750 – 900 °C are combined in accordance with a recrystallization property of the steel so that the ferrite crystal grain diameter after plating becomes 10 – 100 µm.